

Substitute specification OK \$6 3/9/05

Dkt. 59360/JPW/AJM/HA



A-Form of Cytoplasmic Domain of nARIA (CRD-Neuregulin)
And uses Thereof

5 This application incorporates by reference the entire disclosure of U.S. Provisional Application No. 60/003,380, filed September 7, 1995 and U.S. patent application Serial No. 08/697,954, filed September 4, 1996.

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A portion of the invention disclosed herein was made with Government support under NIH Grant No. NS29071 from the Department of Health and Human Services. Accordingly, the U.S. Government may have certain rights in this
15 invention.

Background of the Invention

Throughout this application, various publications are
20 referenced by author and date and by arabic numbers in superscript. Full citations for these publications may be found listed at the end of the specification immediately preceding the claims. The disclosures of these publications in their entireties are hereby
25 incorporated by reference into this application in order to more fully describe the state of the art as known to those skilled therein as of the date of the invention described and claimed herein.

30 The development and differentiation of embryonic neurons culminates in synapse formation. Neuronal development is an intricate process that involves a cascade of inductive interactions between a neuron and the pre- and postsynaptic partners of that neuron. These highly
35 regulated events are important for the establishment of reliable, yet plastic, synaptic formation and